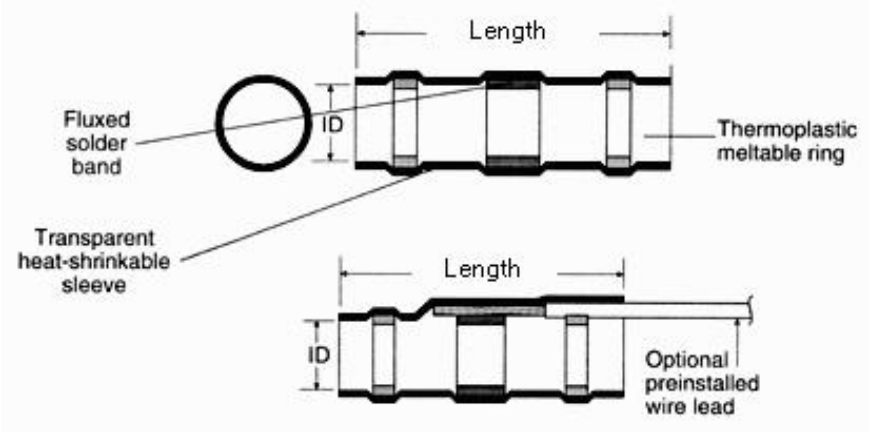
tyco / Electronics

General Information

CWT Solder Sleeve Shield Terminators



Applications

Used for shield-to-ground termination.

Product Facts

- Transparent insulation sleeve provides encapsulation, inspectability, strain relief and insulation
- Prefluxed solder preform provides a controlled soldering process
- One-piece design offers easy installation and lower installed cost
- Optional preinstalled ground leads provide convenience and ease of installation

Raychem's SolderSleeve one-step heat-shrinkable wire and cable interconnection devices are a labor-saving alternative to conventional wire and cable termination methods such as craft-sensitive, time-consuming hand soldering or crimping.

Versatility
SolderSleeve one-step terminators insulate, strain relieve, and protect terminations from environmental damage in a wide spectrum of low-temperature electrical interconnection applications. They are, as their name says, one-step solutions.

Capability
SolderSleeve one-step terminators create strong, soldered connections. They consist of a heat-shrinkable sleeve and a premea-sured, fluxed solder band. When heated, the tubing shrinks and the solder melts, making reliable, insulated terminations. Even greater convenience and reliability are available with optional preinstalled ground leads.

Compatibility
SolderSleeve one-step terminators are compatible with many component dielectric materials and wire insulations including sensitive low-temperature materials. Low-temperature wires can be terminated in applications with maximum operating temperatures up to 125°C.

Product Characteristics

Material
Insulation - Radiation-crosslinked, transparent heat-shrinkable polyolefin
Solder Preform with Flux - Tin/lead/cadmium, RA flux
Preinstalled Lead (Optional) - Various AWG sizes available

Physical

Description	Unit	Method of Test	Requirement
Dimensions	Inches	D-5023	See product dimensions

Electro-Mechanical

Description	Unit	Method of Test	Typical values
Dielectric Voltage Withstand	Kilovolts	UL 486A	2.0
Secureness	--	UL 486A	--
Static Heating	Degrees	UL 486A	Less than 50°C
Pullout Strength	Pounds	--	8 pounds for 22 AWG stranded wire

Chemical (Fluid Resistance)

Description	Method of Test	Requirement
Copper Mirror Corrosion	D-5023	Noncorrosive

Environmental

Description	Unit	Method of Test	Requirement
Insulation Resistance After Water Immersion	Megohms	D-5023	5000
Pullout Strength After Salt Spray Exposure	Pounds	D-5023	8 pounds for AWG stranded wire

Operating Condition
Temperature Rating - -155°C to +125°C
Voltage Rating - See Specification Control Drawing

Approvals and Reference Documents
Agency Approvals - UL, File E87681

Reference Documents
- Raychem Specification D-5023
- SolderSleeve One-Step Selection Guide (H54335)

Installation Procedure (H54285)
Specification Control Drawing